

Table S1. Correlation between hopelessness and DAT levels in basal ganglia.

			STDX	STSN	CADX	CASN	PUDX	PUSN
BHS	Pearson's correlation		-	-	-	-	-	-
TOT	Sign. (two-tailed)		,281*	,317*	,398**	,467**	,445**	,454**
	N		51	51	51	51	51	51
Bootstrap^c	Distortion		,005	,005	,008	,006	,007	,003
	Deviation Error		,153	,152	,119	,106	,105	,096
Confidence range 95%	Inferior		-,565	-,591	-,600	-,649	-,618	-,633
	Superior		,043	,004	-,119	-,235	-,230	-,260

* Correlation is significant at level 0.05 (two-tailed); ** Correlation is significant at level 0.01 (two-tailed); c: Unless otherwise specified, bootstrap results are based on 1000 bootstrap samples. Notes BHS TOT: Total score of Beck Hopelessness Scale; STDX: Right Striatum; STSN: Left Striatum; CADX: Right Caudate; CASN: Left Caudate; PUDX: Right Putamen; PUSN: Left Putamen.

Table S2. Correlations between psychometric scales.

		HAMATOT	HAMDTOT	BHSTOT	DESTOT
HAM-A TOT	Pearson's correlation	1	,532**	,048	,194
	Sign. (two-tailed)		,000	,738	,174
	N	51	51	51	51
HAM-D TOT	Pearson's correlation	,532**	1	,371**	,386**
	Sign. (two-tailed)	,000		,007	,005
	N	51	51	51	51
BHS TOT	Pearson's correlation	,048	,371**	1	,320*
	Sign. (two-tailed)	,738	,007		,022
	N	51	51	51	51
DES TOT	Pearson's correlation	,194	,386**	,320*	1
	Sign. (two-tailed)	,174	,005	,022	
	N	51	51	51	51

* Correlation is significant at level 0.01 (two-tailed); ** Correlation is significant at level 0.05 (two-tailed). Notes HAM-A TOT: Total score of Hamilton Anxiety Rating Scale; HAM-D TOT: Total score of Hamilton

Depression Rating Scale; BHS TOT: Total score of Beck Hopelessness Scale; DES TOT: Total score of Dissociative Experiences Scale.

Table S3. Correlation between psychometric scales and DAT levels in basal ganglia.

			STDX	STSН	CADX	CASN	PUDX	PUSN
HAM-A	Pearson's correlation		-,063	-,039	-,158	-,001	-,010	-,119
TOT	Sign. (two- tailed)		,660	,786	,267	,995	,945	,405
	N		51	51	51	51	51	51
Bootstrap^c	Distortion		,007	,005	,007	,006	,007	,013
	Deviation Error		,116	,113	,122	,137	,123	,139
	Confidence	Inferior	-,292	-,276	-,395	-,264	-,242	-,369
	range 95%							
		Superior	,171	,176	,093	,270	,240	,187
DES	Pearson's correlation		-,099	-,093	-,220	-,189	-,163	-,153
TOT	Sign. (two- tailed)		,491	,514	,121	,183	,254	,284
	N		51	51	51	51	51	51
Bootstrap^c	Distortion		,023	,019	,026	,007	,014	,020
	Deviation Error		,162	,154	,159	,124	,148	,163
	Confidence	Inferior	-,352	-,346	-,443	-,391	-,407	-,394
	range 95%							
		Superior	,276	,255	,180	,085	,177	,228
HAMD	Pearson's		-,237	-,196	-,388**	-,227	-,186	-,291*
TOT	correlation							
	Sign. (two- tailed)		,094	,169	,005	,109	,190	,038
	N		51	51	51	51	51	51
Bootstrap^c	Distortion		,010	,007	,014	,011	,011	,004
	Deviation		,142	,131	,131	,136	,162	,151
	Error							
	Confidence	Inferior	-,497	-,432	-,601	-,466	-,476	-,571
	range 95%							
		Superior	,059	,077	-,099	,059	,136	,011

* Correlation is significant at level 0.01 (two-tailed); ** Correlation is significant at level 0.05 (two-tailed); c: Unless otherwise specified, bootstrap results are based on 1000 bootstrap samples. Notes HAM-A TOT: Total score of Hamilton Anxiety Rating Scale; DES TOT: Total score of Dissociative Experiences Scale.